

**Serial No.: 10,020,419**  
**Filed:** December 13, 2001

**THE CLAIM AMENDMENTS**

**WHAT IS CLAIMED IS:**

1-18 (original)

19. (original) A method of alleviating a bone disorder in a mammal, comprising administering to said mammal, an effective amount of a PRO4425 polypeptide or an agonist thereof.

20. (original) A method of increasing bone growth in a mammal, comprising contacting injured or developing bone in said mammal with PRO4425, thereby increasing the growth of said bone.

21. (original) The method of Claim 19, wherein said agonist is an anti-PRO4425 polypeptide antibody.

22. (original) The method of Claim 22 wherein said agonist is an antibody fragment.

23. (original) The method of Claim 22 wherein the antibody fragment is a Fab fragment

24-26. (original)

27. (new) The method of Claim 19, wherein said bone disorder is selected from the group consisting of, osteoarthritis, osteoporosis, osteomyelitis, osteogenesis imperfecta and rheumatoid arthritis.

28. (new) A method of alleviating a bone disorder in a mammal, wherein alleviating said bone disorder comprises decreasing bone formation by administration of an effective amount of PRO4425 antagonist.

29. (new) A method of stimulating the proliferation of chondrocytes, said method comprising contacting chondrocytes with an effective amount of PRO4425 polypeptide or PRO4425 polypeptide agonist.

30. (new) A method of stimulating the proliferation of osteoblasts, said method comprising contacting osteoblasts with an effective amount of PRO4425 polypeptide or PRO4425 polypeptide agonist.